

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM014	
Creation Date of PD	07/05/2006	
Job Title	Thermal Hydrologist	
SNL Dept Name	Performance Assessment – NFE	
SNL Org Number (or TBD)	0685x	
Number of Openings	3	
Description of Position	<p>Thermal Hydrologist</p> <p>This position supports post-closure scientific analyses related to the near-field environment. This position is located in Las Vegas. Specific responsibilities include:</p> <ul style="list-style-type: none"> • Analysis of the evolution of post-closure thermal hydrologic conditions within the repository drifts and in the near-field host rock. • Analysis of the effects of the post-closure thermal hydrologic conditions on fluid (liquid and gas phase) flow and radionuclide transport through the drift opening and engineered components. • Documentation of analysis results in a timely fashion and in accordance with QA procedures. 	
Required Skills & Experience	<p>Required Skills</p> <ul style="list-style-type: none"> • Working knowledge of YMP program • Good oral and written communication skills • Ability to work as part of technical team in a dynamic and challenging environment • Ability to meet strict schedule deadlines. <p>Required Experience</p> <ul style="list-style-type: none"> • Demonstrated knowledge of YMP QA procedures • Demonstrated experience in meeting YMP reporting deadlines. • Experience (>2 years) in thermal hydrologic, and/or flow and transport modeling and analyses. 	
Desired Skills & Experience (if applicable)		
Required Education (Degrees & Levels)	BS in engineering, mathematics, physical or geological sciences is required.	
Desired Education (Degrees & Levels - if applicable)	An advanced degree in engineering, mathematics, physical or geological sciences is highly desirable.	
Full Time Position? (Y/N)	Y	
Job Requires lifting 35+ Pounds (Y/N)	N	
Desired Start Date	10/1/06	
Can this position accommodate...		
Part Time Employees? (Y/N)	Telecommuting? (Y/N)	Foreign Nationals? (Y/N)
N	N	Y

Please Select All Related WBS Elements for this PD
(required for distributing PDs to contract providers for sourcing)

WBS Elements of 1.5.03		X
1.5.03.07	Engineered Barriers System Performance – Post Closure Safety	X

Sand #: 2006-4508W